

## CLAIMS

5 1. An apparatus, comprising:

a cordless telephone transceiver;

a Bluetooth circuit coupled to said cordless telephone transceiver;

a serial port coupled to said Bluetooth circuit, and

wherein said Bluetooth circuit is operable to couple serial data between said serial port

10 and said cordless telephone transceiver, thereby communicating said serial data according to the Bluetooth radio communications protocol.

2. The apparatus in claim 1, and wherein said serial communications port is a Universal  
15 Serial Bus compliant serial port.

3. The apparatus of claim 1, further comprising a software means executable on a  
separate computing device enabling the coupling of data signals between said  
separate computing device and said Bluetooth circuit, though said serial port, for  
coupling said data signals via the Bluetooth radio communications protocol by  
20 said cordless telephone transceiver.

4. The apparatus of claim 1, further comprising:

a memory for storing user data coupled to said Bluetooth circuit, said Bluetooth circuit  
operable to couple data signals with said memory, and

a software means executable on a separate computing device for synchronizing data stored in said separate computing device with user data stored in said memory via said serial port while said separate computing device is coupled to said serial port.

5 5. An integrated Bluetooth dongle and cordless telephone, comprising:  
an audio circuit, having an audio signal interface coupled to a microphone and an  
earphone;  
a serial port;  
a Bluetooth circuit coupled to said audio signal interface and operable to convert between  
10 conventional audio signals and Bluetooth compliant audio signals, said Bluetooth  
circuit having a communications interface coupled to said serial port and operable  
to convert between conventional serial data signals and Bluetooth compliant data  
signals, and  
a cordless telephone transceiver coupled to said Bluetooth circuit, and operable to  
15 communicate said Bluetooth compliant audio signals and Bluetooth compliant data  
signals according to the Bluetooth radio communications protocol.

6. The apparatus in claim 5, and wherein said serial communications port is a Universal  
Serial Bus compliant serial port.

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7. The apparatus of claim 5, further comprising a software means executable on a  
separate computing device enabling the coupling of data signals between said  
separate computing device and said Bluetooth circuit, though said serial port, for  
coupling said data signals via the Bluetooth radio communications protocol by  
25 said cordless telephone transceiver.

8. The apparatus of claim 5, further comprising:

a memory for storing user data coupled to said Bluetooth circuit, said Bluetooth circuit  
operable to couple data signals with said memory, and

5 a software means executable on a separate computing device for synchronizing data stored  
in said separate computing device with user data stored in said memory via said  
serial port while said separate computing device is coupled to said serial port.

9. An integrated Bluetooth cordless telephone, comprising:

10 a cordless telephone handset, further comprising:

an audio circuit, having an audio signal interface coupled to a microphone and an  
earphone;

a serial port;

a first Bluetooth circuit coupled to said audio signal interface and operable to  
15 convert between conventional audio signals and Bluetooth compliant  
handset audio signals, said Bluetooth circuit having a communications  
interface coupled to said serial port and operable to convert between  
conventional serial data signals and Bluetooth compliant data signals;

a first cordless telephone transceiver coupled to said Bluetooth circuit, and  
20 operable to communicate said Bluetooth compliant handset audio signals  
and Bluetooth compliant data signals according to the Bluetooth radio  
communications protocol, and

a cordless telephone base unit, further comprising:

a telephone line interface circuit for coupling to a telephone line;

a second Bluetooth circuit coupled to said telephone line interface and operable to convert between conventional telephony signals and Bluetooth compliant base unit audio signals, and

5 a second cordless telephone transceiver coupled to said Bluetooth circuit, and operable to communicate said Bluetooth compliant base unit audio signals according to the Bluetooth radio communications protocol, and wherein said cordless telephone handset and said cordless telephone base unit communicate audio and data information according to the Bluetooth protocol.

10 10. The apparatus in claim 9, and wherein said serial communications port is a Universal Serial Bus compliant serial port.

11. The apparatus of claim 9, further comprising a software means executable on a separate computing device enabling the coupling of data signals between said 15 separate computing device and said first Bluetooth circuit, though said serial port, for coupling said data signals via the Bluetooth radio communications protocol by said first cordless telephone transceiver.

12. The apparatus of claim 9, further comprising:  
20 a memory for storing user data coupled to said first Bluetooth circuit, said first Bluetooth circuit operable to couple data signals with said memory, and a software means executable on a separate computing device for synchronizing data stored in said separate computing device with user data stored in said memory via said serial port while said separate computing device is coupled to said serial port.